

L16 ANSWER 16 OF 48 WPIX (C) 2003 THOMSON DERWENT

AN 1991-060010 [09] WPIX Full-text

DNC C1991-025301

TI Vinyl aromatic and methacrylate or acrylate copolymer - gives expansible polymer granules for high moulding rates of thermal insulation and moulded packing.

DC A18 A25 A93

IN GODFRIN, H

PA (HOU) NORSOLOR SA

CYC 1

PI FR 2649398 A 19910111 (199109)*

ADT FR 2649398 A FR 1989-9142 19890706

PRAI FR 1989-9142 19890706

IC C08F002-44; C08F212-02; C08F220-18; C08J009-20

AB FR 2649398 A UPAB: 19930928

Process for expansible granules in which vinylaromatic monomer polymerised at 80-150 deg.C., 1-20 bars, for 6-20 hrs. in presence of initiator, suspension stabiliser, expansion agent, and 0.03-1% pts.weight (meth)acrylic monomer (I). Specifically (I) is C4-C18 alkyl acrylate or methacrylate, 0.2-1% tertiary butyl acrylate or 0.04-0.6% stearyl methacrylate, opt. in presence of 0.1-2% pts.weight flame retardant agent, 0.01%-0.6% pts.weight **polyethylene wax** (II) and 0.005-0.1% pts.weight non-ionic surface-active agent (III) having hydrophilic/lipophilic ratio 7-16. Specifically (II) has mean number molecular weight 500-5000, softening point 90-105 deg.C, and fluidity index, (ASTM D 1238 condition E), greater than 100 dg./min. Specifically (III) is polyoxyethylenated derivative of alkyl phenol or organic alcohol or acid (C at least 12), or ester of polyoxyethylenated sorbitol and organic acid (C at least 12), more specifically polyoxyethylenated dinonylphenol.

USE/ADVANTAGE - Granules used for making foamed plastics for thermal insulation and moulded packaging allow higher moulding rates without spoiling thermal or mechanical properties. 0/0

FS CPI

FA AB

MC CPI: A04-C01A; A04-F06B; A08-B01; A08-S06; A10-B05; A12-P01; A12-R06;
A12-S01A; A12-S04A3; A12-S04C